

ALGEBRA 2 PART 5

$$57. \quad \frac{2x^2}{2} = \frac{144}{2}$$

$$x^2 = 72$$

$$x = \pm \sqrt{72}$$

$$x \approx \pm 8.485$$

$$x \approx \pm 8.49$$

$$58. \quad x^2 + 6x - 7 = 0$$

$$(x + 7)(x - 1) = 0$$

$$(+7)(-1) = -7$$

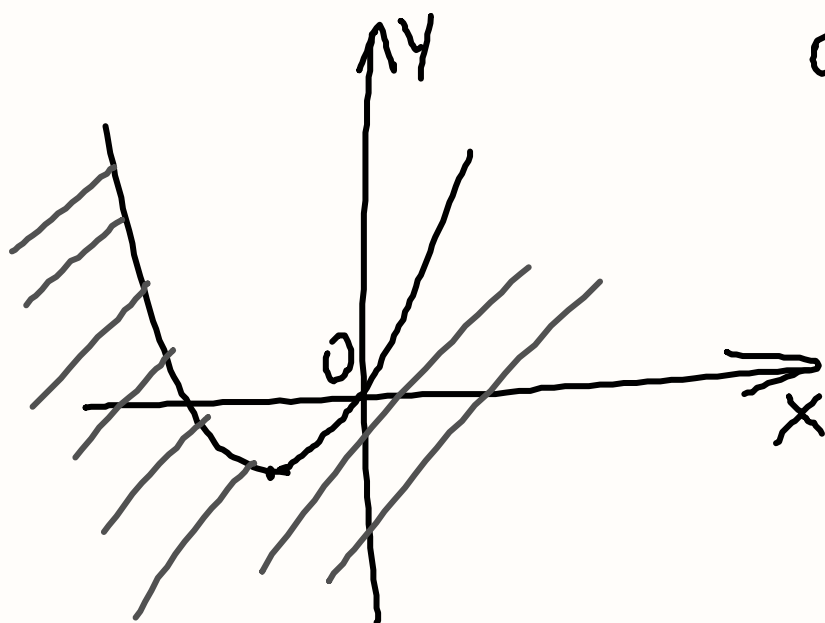
$$7 + -1 = 6$$

$$\begin{array}{r} x + 7 = 0 \\ -7 \quad -7 \\ \hline x = -7 \end{array}$$

$$\begin{array}{r} x - 1 = 0 \\ +1 \quad +1 \\ \hline x = 1 \end{array}$$

59.

$$y \leq x^2 + 3x$$



ON GRAPHING
CALCULATOR



$< \leq$



$> \geq$

DOTTED
LINE

SOLID
LINE

60.

$$y = \frac{k}{x}$$

NOT A DIRECT
PROPORTION

$$x = 18$$

$$y = 40$$

$$x = ?$$

$$y = 12$$

$$y = \frac{k}{x}$$

$$k = xy$$

$$k = 18 \cdot 40 = 720$$

$$x = \frac{k}{y}$$

$$x = \frac{720}{12} = 60$$